

Center for Bottomland Hardwoods Research Publications List for 2005 Research Attainment Report

- Adams, S.B. 2004. Final mentor report: AFS Hutton Junior Fisheries Biology Program. Final report; Oxford, Mississippi: U.S. Department of Agriculture, Forest Service. 4 p.
- Adams, S.B. 2005. Crayfish Sampling on the Whaley Tract. Final Report; Oxford, Mississippi: U.S. Department of Agriculture, Forest Service. 2 p.
- Adams, S.B.; Haag, W.R.; Hamel, P.B.; Warren, M.L., Jr. 2004. Conservation of diverse terrestrial and aquatic animal communities in the rapidly changing southern landscape [Poster]. Southern Research Station, All Scientists Meeting, Atlanta GA. Oxford, Mississippi:
- Adams, S.B.; Schmetterling, D.A.; Young, M.K. 2005. Instream movements by boreal toads (*Bufo boreas boreas*). *Herpetological Review*. 36(1): 27-33.
- Adams, S.B.; Warren, M.L., Jr. 2005. Recolonization by warmwater fishes and crayfishes after severe drought in upper Coastal Plain hill streams. *Transactions of the American Fisheries Society*. 134: 1173-1192.
- Adams, S.B.; Warren, M.L., Jr.; Haag, W.R. 2004. Spatial and temporal patterns in fish assemblages of upper coastal plain streams, Mississippi, USA., *Hydrobiologia*. 528: 45-61.
- Baldy, J.; Ozdenerol, E.; Urbano, L.; [and others] 2005. Determination of the climate preferences of the cerulean warbler by using gis and spatial filtering technique [Poster]. Determination of the climate preferences of the cerulean warbler by using gis and spatial filtering technique. Tennessee Geographic Information Council, 2005 Annual Conference. Franklin, TN: Tennessee Geographic Information Council:
- Baldy, J.; Ozdenerol, E.; Urbano, L.; [and others] 2005. Breeding climate preferences of the cerulean warbler determined by spatial filtering of breeding bird survey data [Poster]. Breeding climate preferences of the cerulean warbler determined by spatial filtering of breeding bird survey data. Joint meeting of the Wilson Ornithological Society and the Association of Field Ornithologists. Beltsville, MD: Wilson Ornithological Society and the Association of Field Ornithologists:
- Barton, C.D.; De Steven, D.; Kilgo, J.C. 2004. Mitigation bank promotes research on restoring coastal plain depression wetlands. *Ecological Restoration*. 22(4): 291-292.
- Baskin, C.C.; Hawkins, T.S.; Baskin, J.M. 2004. Ecological life cycle of *Chaerophyllum procumbens* variety *shortii* (Apiaceae), a winter annual of the North American Eastern Deciduous Forest. *Journal of the Torrey Botanical Society*. 13(2): 126-139.
- Burkhead, N.M.; Jelks, H.L.; Walsh, S.J.; [and others] 2005. Revision of the American Fisheries Society list of imperiled freshwater and diadromous fishes of North America. [Poster]. Abstract CD (poster), 2005 Joint Meeting of American Society of Ichthyologists and Herpetologists. - Tampa, Florida: American Society of Ichthyologists and Herpetologists:
- Chambers, J.L.; Conner, W.H.; Day, J.W., Jr.; [and others] 2005. Conservation, protection and utilization of Louisiana's coastal wetland forests. Final report; Governor of Louisiana. Baton Rouge, LA: Science Working Group on Coastal Wetland Forest Conservation and Use 102 p.
- Connor, K.F.; Lindstrom, G.M.; Donahoo, J.; [and others] 2005. Maturation and chemical composition of *Lindera melissifolia* [Walt.] seeds [Abstract]. In: Innes, J.L.; Edwards, I.K.; Wilford, D.J. Forests in the balance: linking tradition and technology: XXII IUFRO World Congress. Forests in the balance: linking tradition and technology. --Volume 7(5). Brisbane, Queensland, Australia: Commonwealth Forestry Association: 286
- De Steven, D.; Sharitz, R.R. 2005. Does planting key wetland species facilitate vegetation recovery in restored Southeastern depression wetlands? [Abstract]. In: Final Program and Abstracts, Society of Wetland Scientists 26th Annual Meeting. Charleston, SC: 66
- Devall, M. 2005. Dendroecological history of an old growth bottomland hardwood forest in southeastern Arkansas. The Association of American Geographers 2005 Annual Meeting Abstracts. - Washington, D.C.: The Association of American Geographer: 121.

Devall, M.S. 2004. Dendroecology of cypress (*Taxodium distichum*) and swamp tupelo (*Nyssa aquatica*) in a Louisiana wetland [Abstract]. In: International symposium on wood sciences proceedings. International symposium on wood sciences proceedings. Montpellier, France: CIRAD: 16

Devall, M.S. 2005. Silviculture of rare, threatened and endangered tree species in the U.S.A. [Abstract]. In: Innes, J.L.; Edwards, I.K.; Wilford, D.J. The international forestry review: forests in the balance: linking tradition and technology: XXII IUFRO world congress, 8-13 August 2005. The international forestry review. Brisbane, Australia: Commonwealth Forestry Association: 286-287

Devall, M.S.; Reams, G.A. 2005. Increased productivity of old-growth baldcypress (*Taxodium distichum*) in the southern United States [Abstract]. In: Innes, J.L.; Edwards, I.K.; Wilford, D.J. The international forestry review: forests in the balance: linking tradition and technology: XXII IUFRO world congress, 8-13 August 2005. The international forestry review: forests in the balance: linking tradition and technology. -- Brisbane, Australia: Commonwealth Forestry Association: 74

Devall, M.S.; Schiff, N.M.; Skojac, S.A. 2005. Conservation of an endangered shrub in the southeastern United States [Abstract]. In: XVII international botanical congress - abstracts. XVII international botanical congress - abstracts. Vienna, Austria: international botanical congress: 600

Devall, M.S.; Thien, L.B.; Ellgaard, E.; Flowers, G. 2005. Lead transport into Bayou Trepagnier wetlands in Louisiana [Abstract]. In: Innes, J.L.; Edwards, J.W.; Wilford, D.J. The international forestry review: forests in the balance: linking tradition and technology: XXII IUFRO world congress, 8-13 August 2005. The international forestry review. Brisbane, Australia: Commonwealth Forestry Association: 239

Gardiner, E.S. 2004. Establishment of black willow (*Salix nigra* Marsh.) for restoration of bottomland hardwood forests in the Lower Mississippi Alluvial Valley, USA [Abstract]. In: 22nd Session of the International Poplar Commission: The contributions of poplars and willows to sustainable forestry and rural development. 22nd Session of the International Poplar Commission. -- Rome, Italy: FAO, Forest Resources Division: 147

Gardiner, E.S. 2005. Developing a research and demonstration project initiated by managers: the Sharkey Restoration Site [Abstract]. In: Innes, J.L.; Edwards, I.K.; Wilford, D.J. Forests in the balance: linking tradition and technology, XXII IUFRO World Conference. 7(5). Brisbane, Australia: Commonwealth Forestry Association: 363

Gardiner, E.S.; Oliver, J.M. 2005. Restoration of bottomland hardwood forests in the Lower Mississippi Alluvial Valley, U.S.A. In: Stanturf, J.A.; Madsen, P. Restoration of Boreal and Temperate Forests. - Boca Raton, FL: CRC Press. 235 - 251.

Gardiner, E.S.; Stanturf, J.A.; Hamel, P.B.; Leininger, T.D. 2004. Early stand development, carbon sequestration and wildlife use under conventional versus intensive afforestation practices in the Lower Mississippi Alluvial Valley [Abstract]. In: 22nd Session of the International Poplar Commission: The contributions of poplars and willows to sustainable forestry and rural development. Rome, Italy: FAO, Forest Resources Division: 96

Gardiner, E.S.; Stanturf, J.A.; Schweitzer, C.J. 2004. An afforestation system for restoring bottomland hardwood forests: biomass accumulation of Nuttall oak seedlings interplanted beneath eastern cottonwood. Restoration Ecology. 12(4): 525-532.

Hamel, P.B. 2003. SRS RWU 4155 wildlife research: team 3 problem area - stream and wildlife research. [Poster]. SRS RWU 4155 wildlife research: team 3 problem area - stream and wildlife research. Presented to USDA Forest Service Research, wildlife research meeting. Albuquerque, NM.: USDA Forest Service Research, Wildlife Research Meeting:

Hamel, P.B. 2004. Delta Wildlife aids Forest Service scientists with afforestation experiment. Delta Wildlife. 12(2): 22-24.

Hamel, P.B.; Smith, C.G.I. 2005. Measurement of foliage profiles for canopy dwelling birds [Poster]. Measurement of foliage profiles for canopy dwelling birds. Southeastern Management Working Group, Partners in Flight. McAllen, Texas: Southeastern Management Working Group, Partners in Flight:

Hamel, P.B.; Twedt, D.J.; Woodrey Mark, S. 2005. Comparison of winter bird population study and project prairie birds surveys of winter birds in grasslands [Poster]. Comparison of winter bird population study and project prairie birds surveys of winter birds in grasslands. Southeastern Management Working Group, Partners in Flight. McAllen, Texas: Southeastern Management Working Group, Partners in Flight:

- Hawkins, T.S.; Baskin, J.M.; Baskin, C.C. 2005. Life cycles and biomass allocation in seed- and ramet-derived plants of *Cryptotaenia canadensis* (Apiaceae), a monocarpic species of eastern North America. *Canadian Journal of Botany*. 83: 518-528.
- Hazler, K.R.; Drumtra, D.E.W.; Marshall, M.R.; [and others] 2004. Common, but commonly overlooked: Red-bellied Woodpeckers as songbird nest predators. *Southeastern Naturalist*. 3(3): 467-474.
- Hill, B.F.; McCormick, F.H.; Harvey, B.C.; [and others] 2005. An interregional comparison of channel structure, transient storage and riparian canopy with community metabolism in streams draining early, mid- and late successional watersheds. (Poster) [Poster]. Annual meeting North American Benthological Society. - New Orleans, Louisiana: North American Benthological Society:
- Karr, J.R.; Adams, S.B.; Fore, L.S. 2005. Recommendations for data management, synthesis of knowledge, and future research under the Whirling Disease Initiative. Final report; The Whirling Disease Initiative, Montana Water Center. Bozeman, MT: The Whirling Disease Initiative. 37 p.
- Keeland, B.D.; McCoy, J.W.; Wharton, K.L. 2005. Planted oaks and natural invasion in bottomland hardwood forests of the lower Mississippi alluvial valley [Abstract]. In: Ninth workshop on seedling physiology and growth problems in oak plantings. NC--262. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station: 8
- Leininger, T.D. 2005. Delta Experimental Forest (Mississippi). Adams, M.B.; Loughry, L.; Plaugher, L. Experimental forests and ranges of the USDA Forest Service. NE-321. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station: 148-149.
- Leininger, T.D.; Reams, G.A. 2005. Healthy forests in the South: challenges in the 21st Century. Rauscher, H.M.; Johnsen, K.H. Southern forest science: past, present, and future. SRS-75. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station: 119-122.
- Lockhart, B.R.; DeMatteis, J.D.; Harris, L.; Ezell, A.W.c. 2005. Mississippi hardwood notes [CD-ROM]. Jackson, Mississippi: Mississippi Forestry Commission.
- Lockhart, B.R.; Gardiner, E.S.; Leininger, T.D.; [and others] 2005. Linking stakeholder research needs and the Federal Data Quality Act: a case study of an endangered forest shrub in the southern United States [Abstract]. In: Innes, J.L.; Edwards, I.K.; Wilford, D.J. Forests in the Balance: Linking Tradition and Technology, XXII IUFRO World Congress. 7(5). Brisbane, Australia: Commonwealth Forestry Association: 160
- Lockhart, B.R.; Gardiner, E.S.; Leininger, T.D.; Stanturf, J. 2005. Mixed-species plantation prescriptions for the Lower Mississippi Alluvial Valley, U.S.A. [Abstract]. In: Improving Productivity in Mixed-Species Plantations. Ballina, New South Wales, Australia: Southern Cross University: 15
- Lockhart, B.R.; Meadows, J.S.; Hodges, J.D. 2005. Stand development patterns in southern bottomland hardwoods: management considerations and research needs. In: Fredrickson, L.H.; King, S.L.; Kaminiski, R.M. Ecology and Management of Bottomland Hardwood Systems: The State of Our Understanding. Columbia, MO: University of Missouri Printing. 439-448.
- Lockhart, B.R.; Meadows, J.S.; Portwood, C.J. 2005. Southern Hardwood Forestry Group still strong after 50 years. *Delta Wildlife*. 13(Spring): 5-6.
- Love, J.W.; Taylor, C.M.; Warren, M.L., Jr. 2005. Predator density and dissolved oxygen affect body condition of *Stenonema tripunctatum* (Ephemeroptera, Heptageniidae) from intermittent streams. *Hydrobiologia*. 543: 113-118.
- McGregor, S.W.; Haag, W.R. 2004. Freshwater mussels (Bivalvia: Unionidae) and habitat conditions in the upper Tombigbee River system, Alabama and Mississippi, 1993-2001. Completion report; Bulletin 176. Geological Survey of Alabama. Tuscaloosa, AL: Geological Survey of Alabama. 75 p.
- Meadows, J.S.; Goelz, J.C.G. 2005. The role of thinning in management of southern bottomland hardwood forests. In: Fredrickson, L.H.; King, S.L.; Kaminiski, R.M. Ecology and management of bottomland hardwood systems: the state of our understanding. 10. Puxico, MO: University of Missouri-Columbia, Gaylord Memorial Laboratory. 449-457.
- Meier, C.E.; Stanturf, J.A. 2004. Litterfall transfers of a mature hardwood forest in a minor alluvial floodplain: relationships to soil and stand parameters [Abstract]. In: Science to secure food and the environment: 2004 American society of agronomy international meeting. Science to secure food and the environment. -- Madison, WI: ASA-CSSA-SSSA Headquarters: 367

Nebeker, T.E.; Leininger, T.D.; Meadows, J.S.; Warriner, M.D. 2005. Thinning southern bottomland hardwood stands: insect and disease considerations. Fredrickson, L.H.; King, S.L.; Kaminski, R.M. Ecology and management of bottomland hardwood systems: the state of our understanding. - Puxico, MO: University of Missouri-Columbia: 467-477.

Oliver, C.D.; Burkhardt, E.C.; Skojac, D.A. 2005. The increasing scarcity of red oaks in Mississippi River floodplain forests: influence of the residual overstory. Forest Ecology and Management. 210: 393-414.
Peacock, E.; Haag, W.R.; Warren, M.L., Jr. 2005. Prehistoric decline in freshwater mussels coincident with the advent of maize agriculture., Conservation Biology. 19(2): 547-551.

Schiff, N.; Leininger, T.D.; Corbin, K. 2004. *Homalodisa coagulata* can vector sycamore bacterial leaf scorch disease [Poster]. The 52nd annual meeting of the Entomological Society of America. Salt Lake City, Utah: 125.

Schmetterling, D.A.; Adams, S.B. 2004. Summer movements within the fish community of a small montane stream. North American Journal of Fisheries Management. 24: 1163-1172.

Smith, C.; Hamel, P.B. 2005. Bird banding at the Great Delta Bear Affair. Mississippi Ornithological Society Newsletter. 50(1): 6-7.

Stroh, C.L.; De Steven, D.; Guntenspergen, G.R. 2005. Effect of drought cycles on long-term vegetation dynamics in Carolina bay wetlands [Abstract]. In: The Ecological Society of America 90th annual meeting. Montreal, Quebec, Canada: 616

Veit, M.L.; Robertson, R.J.; Hamel, P.B.; Friesen, V.L. 2005. Population genetic structure and dispersal across a fragmented landscape in cerulean warbler *Dendroica cerulea*. Conservation Genetics. 6: 159-174.

Warren, M.L., Jr.; Haag, W.R. 2005. Spatio-temporal patterns of the decline of freshwater mussels in the Little South Fork Cumberland River, USA. Biodiversity and Conservation. 14: 1383-1400.

Wharton, K.L.; Walls, S.C. 2005. Economical frogloggers with user defined features [Poster]. 2005 joint meeting of ichthyologists and herpetologists. - Manhattan, KS Kansas State University:

Wilson, A.D. 2005. Recent advances in the control of oak wilt in the United States. Plant Pathology Journal. 4(2): 177-191.

Wilson, A.D. 2005. Development of a new rapid dicofol-fumigation method for the control of mycophagous mites in fungal cultures [Abstract]. In: 2005 APS annual meeting. Austin, TX: Phytopathology: S112

Wilson, A.D.; Leininger, T.D.; Otrrosina, W.J.; [and others] 2005. The impact and control of major southern forest diseases. Rauscher, H.M.; Johnsen, K.H. Southern forest science: past, present, and future. Gen. Tech. Rep-SRS-75. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station: 161-178.

Wilson, A.D.; Lester, D.G.; Oberle, C. 2005. Application of conductive polymer analysis for wood and woody plant identifications. Forest Ecology and Management. 209: 207-224.

Wilson, A.D.; Schiff, N.M.; Leininger, T.D.; [and others] 2005. Black twig borer exacerbates damage caused by *Botryosphaeria* stem canker and dieback of pondberry in the Delta National Forest of Mississippi [Abstract]. In: 2005 APS annual meeting. Austin, TX: Phytopathology: S112

Wilson, R.; Hamel, P.B.; Twedt, D.J.; Cooper, R.J. 2005. A revised bird point count protocol for the Southeast Management Working Group, Partners In Flight [Poster]. A revised bird point count protocol for the Southeast Management Working Group, Partners In Flight. Southeastern Management Working Group, Partners in Flight. McAllen, Texas: Southeastern Management Working Group, Partners in Flight: